



DOCKET NO.: UPN-3904

PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Cameron J. Koch, et al.

Serial No.: 09/648,306

Filing Date: August 25, 2000

For: DETECTION OF HYPOXIA

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Examiner: S. Wright

DATE OF DEPOSIT:

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05/11/2001 TBESHAH1 00000071 09648306

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Assistant Commissioner for Patents
Washington DC 20231

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

- ☐ In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first office action after the filing of request for continued examination under §1.114, no additional fee is required.

- ☐ In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with ☐the first or ☐second After Final Submission, therefore:
- ☐ Certification in Accordance with §1.97(e) is attached; or
- ☐ The fee of \$180.00 as set forth in §1.17(p) is attached.
- ☒ In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or before an action that otherwise closes prosecution in the application, therefore:
- ☐ Certification in Accordance with §1.97(e) is attached; or
- ☒ The fee of \$180.00 as set forth in §1.17(p) is attached.
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- ☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- ☒ Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:
- ☒ In view of the voluminous nature of reference **BE**, and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

- ☐ In accordance with §1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. §120 have been made in the instant application:
- ☒ Copies of references **AA-AY and DM-DY** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. **08/286,065**, filed **August 4, 1994**; copies of references **AZ-BA and DZ** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. **08/598,752**, filed **February 8, 1996**; copies of references **BB-BD, BF-DL and EA-EB** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. **09/123,300** filed **July 28, 1998**.
- ☐ If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

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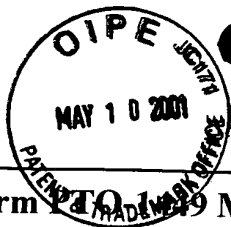
There are no listed references which are not in the English language.

Date:

May 7, 2001

Maureen S. Gibbons
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Sheet 1 of 10

Form PTO-1449 Modified		Docket No. UPN-3904	Serial No. 09/648,306
List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Applicant Cameron J. Koch et al.	
		Filing Date August 25, 2000	Group 1626
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AA	Adams, "Hypoxia-Mediated Drugs for Radiation and Chemotherapy", <i>Cancer</i> , 1981 , 48, 696-707	
	AB	Beaman et al., "Studies in the nitromidazole series. III. 2-Nitro-imidazole derivatives substituted in the 1-position", <i>Chemical Abstract</i> 71(5): 22065t, 1967 , p. 22060	
	AC	Chapman et al., "The Fraction of Hypoxic Clonogenic Cells in Tumor Populations", <i>Biol. Bases Clin. Imp. Tum. Rad.</i> , G.H. Fletcher, C. Nevil, & H.R. Withers, (eds.), 1983 , 61-73	
	AD	Chapman et al., "Keynote Address: Cellular Reduction of Nitroimidazole Drugs: Potential for Selective Chemotherapy and Diagnosis of Hypoxic Cells", <i>Int. J. Radiation Oncol. Biol. Phys.</i> , 1989 , 16, 911-917	
	AE	Franko et al., "Oxygen Supply to Spheroids in Spinner and Liquid-Overlay Culture", <i>Recent Results in Cancer Res.</i> in 94" Culture of Cellular Spheroids 62, 1984 , 95, 162-167	
	AF	Grunberg et al., "Antiprotozoan and antibacterial activity of 2-nitro-imidazole derivatives", <i>Chemical Abstract</i> 70(3):10175v, 1968 , p. 10174	
	AG	Heindel et al., "Macromolecular Attachment as a Metabolic Stabilizer for a Labile Radiosensitizer", <i>J. Pharm. Sci.</i> , 1987 , 76(5), 384-386	
	AH	Kohler et al., "Continuous cultures of fused cells secreting antibody of predefined specificity", <i>Nature</i> , 1975 , 256, 495-497	
	AI	Knauf et al., "Monoclonal antibodies against human ovarian tumor associated antigen NB/70K: Preparation and use in a radioimmunoassay for measuring NB/70K in serum", <i>Cancer Immunol. Immunother.</i> , 1986 , 21, 217-225	
	AJ	Raleigh et al., "Reductive Fragmentation of 2-Nitroimidazoles: Amines and Aldehydes", <i>Int. J. Radiation Oncol. Biol. Phys.</i> , 1984 , 10, 1337-1340	
	AK	Raleigh et al., "Fluorescence immunohistochemical detection of hypoxic cells in spheroids and tumours," <i>Br. J. Cancer</i> , 1987 , 56, 395-400	
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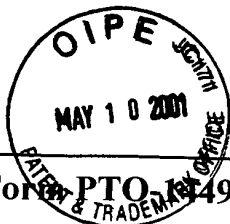
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AL	Taylor et al., "Differences in the Toxicity and Metabolism of the 2-Nitroimidazole Misonidazole (Ro-07-0582) in HeLa and Chinese Hamster Ovary Cells", <i>Cancer Res.</i> , 1978 , 38, 2745-2752
AM	Urtasun et al., "A novel technique for measuring human tissue pO ₂ at the cellular level", <i>Br. J. Cancer</i> , 1986 , 54, 453-457
AN	Varghese et al., "Binding to Cellular Macromolecules as a Possible Mechanism for the Cytotoxicity of Misonidazole", <i>Cancer Res.</i> , 1980 , 40, 2165-2169
AO	Lord, et al., "Detection of Hypoxic Cells by Monoclonal Antibody Recognizing 2-Nitroimidazole Adducts", <i>Cancer Res.</i> , 1993 , 53, 5721-5726
AP	Franko, A.J. et al., "Oxygen dependence of binding of misonidazole to rodent and human tumors in vitro", <i>Cancer Res.</i> , 1987 , 47, 5367-5376
AQ	Harwell et al., <i>J. Immunol. Methods</i> , 1984 , 66, 59-67
AR	Kennedy et al., <i>Biochem. Pharm.</i> , 1980 , 29, 1-8
AS	Koch, C.J., "A thin-film culturing technique allowing rapid gas-liquid equilibration (6 seconds) with no toxicity to mammalian cells", <i>Radiat. Res.</i> , 1984 , 97, 434-442
AT	Koch, C.J. et al., "Metabolism induced binding of ¹⁴ C-misonidazole to hypoxic cells: kinetic dependence on oxygen concentration and misonidazole concentration", <i>Int. J. Radiation Oncology Biol. Phys.</i> , 1984 , 10, 1327-1332
AU	Koch, C.J. et al., "Radiolytic Reduction of Protein and Nonprotein Disulfides in the Presence of Formate: A Chain Reaction", <i>Arch. Biochem. Biophys.</i> , 1991 , 287, 75-84
AV	Moulder, J.E. et al., "Hypoxic fractions of solid tumors: experimental techniques, methods of analysis and a survey of existing data", <i>Int. J. Radiat. Oncol. Biol. Phys.</i> , 1984 , 10, 695-712
AW	Parliament et al., "Non-invasive assessment of human tumour hypoxia with ¹²³ I-iodoazomycin arabinoside: preliminary report of a clinical study", <i>Br. J. Cancer</i> , 1992 , 65, 90-95

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Sheet 3 of 10

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. UPN-3904	Serial No. 09/648,306
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	AX	Rasey et al., "Characterization of Radiolabeled Fluoromisonidazole as a Probe for Hypoxic Cells", <i>Radiation Res.</i> , 1987 , 111, 292-304	
	AY	Koch, C.J., "The reductive activation of nitroimidazoles; modification by oxygen and other redox-active molecules in cellular systems", <i>Selective Activation of Drugs by Redox Processes</i> , 1990 , NATO Series A 198, 237-247	
	AZ	Arteel, GE et al., "Evidence that hypoxia markers detect oxygen gradients in liver: pimonidazole and retrograde perfusion of rat liver", <i>British J. Cancer</i> , 1995 , 72(4), 889-895	
	BA	Raleigh et al., "Importance Of Thiols In The Reductive Binding of 2-Nitroimidazoles to Macromolecules", <i>Biochem. Pharmacol.</i> , 1990 , 40, 2457-2464	
	BB	"Oxygen Concentration Determined Non-Invasively", <i>Biomed. Products</i> , 1992 , 17(12), 31	
	BC	Tewson, T.J., "Synthesis of [¹⁸ F] Fluoroetanidazole: a potential new tracer for imaging hypoxia", <i>Nucl. Med. Biol.</i> , 1997 , 24(8), 755-760	
	BD	Hamacher et al., "Efficient Stereospecific Synthesis of No-Carrier-Added 2-[¹⁸ F]-Fluoro-2-Deoxy-D-Glucose Using Aminopolyether Supported Nucleophilic Substitution", <i>J. Nucl. Med.</i> , 1986 , 27(2), 235-238	
*	BE	Adams, G.E., "Selective Activation of Drugs by Redox Processes", <i>NATO Series A</i> 198, 1990	
	BF	Bialik, S. et al., "Myocyte apoptosis during acute myocardial infarction in the mouse localizes to hypoxic regions but occurs independently of p53", <i>J. Clin. Investig.</i> , 1997 , 100, 1363-1372	
	BG	Brizel, D.M. et al., "Tissue oxygenation predicts for the likelihood of distant metastases in human soft tissue sarcoma", <i>Cancer Res.</i> , 1996 , 56, 941-943	
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* A copy of this reference will not be forwarded to the U.S. Patent and Trademark Office since it is believed to be too voluminous and easily obtainable by the Examiner.



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	BH	Brizel, D.M. et al., "Pretreatment oxygenation profiles of human soft tissue sarcomas", <i>Int. J. Radiat. Oncol. Biol. Phys.</i> , 1994 , 30, 635-642	
	BI	Brizel, D.M. et al., "Tumor hypoxia adversely affects the prognosis of carcinoma of the head and neck", <i>Int. J. Radiat. Oncol. Biol. Phys.</i> , 1997 , 38, 285-289	
	BJ	Brown, J.M. et al., "SR-2508: a 2-nitroimidazole amide which should be superior to misonidazole as a radiosensitizer for clinical use", <i>Int. J. Radiat. Oncol. Biol. Phys.</i> , 1981 , 7, 695-703	
	BK	Cater, D.B. et al., "Quantitative measurements of oxygen tensions in normal tissues and in the tumors of patients before and after radiotherapy", <i>Acta. Radiol.</i> , 1960 , 23, 233-256	
	BL	Chapman, J.D. et al., "Characteristics of the metabolism-induced binding of misonidazole to hypoxic mammalian cells", <i>Cancer Res.</i> , 1983 , 45, 1523-1528	
	BM	Clyman, R.I. et al., "Permanent anatomic closure of the newborn ductus arteriosus: the roles of postnatal constriction, hypoxia and gestation", <i>New Eng. J. Med.</i> , Submitted, 1997	
	BN	Cobb, L.M. et al., "Microscopic distribution of misonidazole in mouse tissues", <i>Br. J. Cancer</i> , 1989 , 59, 12-16	
	BO	Cobb, L.M. et al., "Retention of misonidazole in normal and malignant tissues: interplay of hypoxia and reductases", <i>Int. J. Rad. Onc. Biol. Phys.</i> , 1992 , 22, 655-659	
	BP	Coleman, C.N. et al., "Relationship between the neurotoxicity of the hypoxic cell radiosensitizer SR 2508 and the pharmacokinetic profile", <i>Cancer Res.</i> , 1987 , 47, 319-322	
	BQ	Coleman, C.N. et al., "Initial pharmacology and toxicology of intravenous desmethylmisonidazole", <i>Int. J. Radiat. Oncol. Biol. Phys.</i> , 1982 , 8, 371-375	
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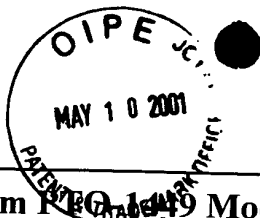


Sheet 5 of 10

Form PTO-449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. UPN-3904	Serial No. 09/648,306
		Applicant Cameron J. Koch et al.	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	BR	Evans, S.M. et al., "Use of power Doppler ultrasound guided biopsies to locate regions of tumour hypoxia", <i>Brit. J. Cancer</i> , In Press, 1997	
	BS	Evans, S.M. et al., "Evaluation of the concept of "hypoxic fraction" as a descriptor of tumor oxygenation status", <i>Adv. Exptl. Biol. Med.</i> , In Press, 1995	
	BT	Evans, S.M. et al., "Tamoxifen induces hypoxia in MCF-7 xenografts", <i>Cancer Res.</i> , In Press, 1997	
	BU	Evans, S.M. et al., "Radiation response and other characteristics of the 9L rat glioma grown as an epigastric tissue isolate", <i>Radiat. Oncol. Invest.</i> , 1994 , 2, 134-143	
	BV	Evans, S.M. et al., "Imaging hypoxia in diseased tissues", <i>Adv. Exptl. Biol. Med.</i> , In Press, 1996	
	BW	Evans, S.M. et al., "Identification of hypoxia in cells and tissues of epigastric 9L rat glioma using EF5 [2-(2-nitro-1H-imidazol-1-yl)-N-(2,2,3,3,3-pentafluoropropyl)acetamide]", <i>Br. J. Cancer</i> , 1995 , 72, 875-882	
	BX	Evans, S.M. et al., "2-nitroimidazole (EF5) binding predicts radiation sensitivity in individual 9L subcutaneous tumors", <i>Cancer Res.</i> , 1996 , 56, 405-411	
	BY	Franko, A.J. et al., "Binding of misonidazole to V79 spheroids and fragments of Dunning rat prostate and human colon carcinoma in vitro: diffusion of oxygen and reactive metabolites", <i>Int. J. Radiat. Oncol. Biol. Phys.</i> , 1984 , 10, 1333-1337	
	BZ	Garrecht, B.M. et al., "The labelling of EMT-6 tumors in Balb/c mice with 14C-misonidazole", <i>Brit. J. Radiol.</i> , 1983 , 56, 745-753	
	CA	Gatenby, R.A. et al., "Oxygen tension in human tumors: in vivo mapping using CT-guided probes", <i>Radiol.</i> , 1985 , 156, 211-214	
	CB	Gatenby, R.A. et al., "Oxygen distribution in squamous cell carcinoma metastases and its relationship to outcome of therapy", <i>Int. J. Radiat. Oncol. Biol. Phys.</i> , 1988 , 14, 831-838	
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Form PTO-149 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. UPN-3904	Serial No. 09/648,306
		Applicant Cameron J. Koch et al.	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	CC	Graeber, T.G. et al., "Hypoxia-mediated selection of cells with diminished apoptotic potential in solid tumours", <i>Nature</i> , 1996 , 379, 88-91	
	CD	Hirst, D.G. et al., "Changes in misonidazole binding with hypoxic fraction in mouse tumors", <i>Int. J. Radiat. Biol. Oncol. Phys.</i> , 1984 , 11, 1349-1355	
	CE	Hockel, M. et al., "Association between tumor hypoxia and malignant progression in advanced cancer of the uterine cervix", <i>Cancer Res.</i> , 1996 , 56, 4509-4515	
	CF	Hockel, M. et al., "Intratumor pO ₂ predicts survival in advanced cancer of the uterine cervix", <i>Radiotherapy and Oncology</i> , 1993 , 26, 45-50	
	CG	Hodgkiss, R.J. et al., "Flow cytometric evaluation of hypoxic cells in solid experimental tumours using fluorescence immunodetection", <i>Br. J. Cancer</i> , 1991 , 63, 119-125	
	CH	Horsman, M.R. et al., "Relationship between radiobiological hypoxia and direct estimates of tumour oxygenation in a mouse tumour model", <i>Radiother. Oncol.</i> , 1993 , 28, 69-71	
	CI	Horsman, M.R., "Lack of correlation with eppendorf", 1996	
	CJ	Kennedy, K.A. et al., "Preferential activation of mitomycin C to cytotoxic metabolites by hypoxic tumor cells", <i>Cancer Res.</i> , 1980 , 40, 2356-2360	
	CK	Koch, C.J. et al., "Cysteine concentrations in rodent tumors: unexpectedly high values may cause therapy resistance", <i>Int. J. Cancer</i> , 1996 , 67, 661-667	
	CL	Koch, C.J. et al., "Oxygen dependence of cellular uptake of EF5 [2-(2-nitro-1H-imidazol-1-yl)-N-(2,2,3,3,3-pentafluoropropyl)acetamide]: analysis of drug adducts by fluorescent antibodies vs bound radioactivity", <i>Br. J. Cancer</i> , 1995 , 72, 869-874	
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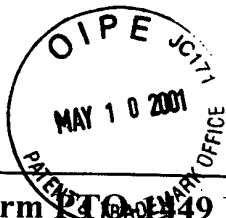


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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	CM	Koch, C.J. et al., "Imaging hypoxia and blood flow in normal tissues", Adv. Exptl. Biol. Med., In Press, 1996	
	CO	Koch, C.J. et al., "Detection of hypoxic cells by monoclonal antibody recognizing 2-nitroimidazole adducts." United States Patent, Continuation In Part, Submitted 1996	
	CP	Koch, C.J. et al., "Comment on the Hypothesis that Hyperthermia Facilitates Reoxygenation." Int. J. Hyperthermia, 1995 , 11, 447-450	
	CQ	Laughlin, K.M. et al., "Biodistribution of the nitroimidazole EF5 [2-(2-nitro-iH-imidazole-1-yl)-N-(2,2,3,3,3-pentafluoropropyl)-acetamide] in mice bearing subcutaneous EMT6 tumors", J. Pharmacol. Exptl. Therapeut., 1996 , 277, 1049-1057	
	CR	Lee, J. et al., "Direct relationship between radiobiological hypoxia in tumors and monoclonal antibody detection of EF5 cellular adducts", Int. J. Cancer, 1996 , 67, 372-378	
	CS	Matthews, J. et al., "Immunocytochemical labelling of aerobic and hypoxic mammalian cells using a platinated derivative of EF5", Brit. J. Cancer, 1996 , 73, S200-S203	
	CT	Nordsmark, M. et al., "Pretreatment oxygenation predicts radiation response in advanced squamous cell carcinoma of the head and neck", Radioth. and Oncol., 1996 , 41, 31-39	
	CU	Nozue, M. et al., "Interlaboratory variation in oxygen tension measurement by Eppendorf "Histogram" and comparison with hypoxic marker", J. Surg. Oncol., 1997 , 66, 30-38	
	CV	Okunieff, P. et al., "Oxygen tension distributions are sufficient to explain the local response of human breast tumors treated with radiation alone", Int. J. Radiat. Biol. Oncol. Phys. 1993 , 26, 631-636	
	CW	Olive, P.L. et al., "Hypoxic fractions measured in murine tumors and normal tissues using the comet assay", Int. J. Radiat. Oncol. Biol. Phys., 1994 , 29, 487-491	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	CX	Rampling, R. et al., "Direct measurement of pO ₂ distribution and bioreductive enzymes in human malignant brain tumors", <i>Int. J. Rad. Onc. Biol. Phys.</i> , 1994 , 29, 427-431	
	CY	Rasey, J.S. et al., "Characteristics of the binding of labeled fluoromisonidazole in cells in vitro", <i>Radiat. Res.</i> , 1990 , 122, 301-308	
	CZ	Schwentker, A. et al., "A model of wound healing in chronically radiation-damaged rat skin: the effect of hyperbaric oxygen", <i>Int. J. Radiat. Oncol. Biol. Phys.</i> , Submitted, 1997	
	DA	Shapiro, I.M. et al., "Chondrocytes in the endochondral growth cartilage are not hypoxic", <i>Am. J. Physiol.</i> , 1997 , 272, cll34-cll43	
	DB	Shibamoto, Y. et al., "A phase I study of a hypoxic cell sensitizer KU-2285 in combination with conventional radiotherapy", <i>Radiat. Ther. & Oncol.</i> 1996 , 40, 55-58	
	DC	Siim, B.G. et al., "Tirapazamine-induced cytotoxicity and DNA damage in trasplanted tumors: relationship to tumor hypoxia", <i>Cancer Res.</i> , 1997 , 57, 2922-2928	
	DD	Stone, H.B. et al., "Oxygen in human tumors: Correlations between Methods of Measurement and Response to Therapy", <i>Radiat. Res.</i> , 1993 , 136, 422-434	
	DE	Thomlinson, R.H. et al., "The histological structure of some human lung cancers and the possible implications for radiotherapy", <i>Br. J. Cancer</i> , 1955 , 9, 539-579	
	DF	Van Os-Corby, D.J. et al., "Is misonidazole binding to mouse tissues a measure of cellular pO ₂ ?", <i>Biochem. Pharmacol.</i> , 1987a , 36, 3487-3494	
	DG	Varghese, A.J. et al., "Hypoxia-dependent reduction of 1-(2-nitro-1-imidazolyl)-3-methoxy-2-propanol by Chinese hamster ovary cells and KHT tumor cells in vitro and in vivo", <i>Cancer Res.</i> , 1976 , 36, 3761-3765	
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	DH	Waleh, N.S. et al., "Mapping of the vascular endothelial growth factor-producing hypoxic cells in multicellular tumor spheroids using a hypoxia-specific marker", <i>Cancer Res.</i> , 1995 , 55, 6222-6226	
	DI	Wendling, P. et al., "Heterogeneous oxygenation of rectal carcinomas in humans. A critical parameter for pre-operative irradiation", <i>Adv. Exp. Med. Biol.</i> , 1984 , 180, 293-300	
	DJ	Woods, M.R. et al., "Detection of individual hypoxic cells in multicellular spheroids by flow cytometry using the 2-nitroimidazole EF5, and monoclonal antibodies", <i>Int. J. Radiat. Oncol. Biol. Phys.</i> , 1996 , 34, 93-101	
	DK	Wouters, B.G. et al., "Cells at intermediate oxygen levels can be more important than the "hypoxic fraction" in determining tumor response to fractionated radiation therapy", <i>Radiat. Res.</i> , 1997 , 147, 541-550	
	DL	Zeman, E.M. et al., "The relationship between proliferative and oxygenation status in spontaneous canine tumors", <i>Int. J. Rad. Oncol. Biol. Phys.</i> , 1993 , 27, 891-898	
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Cameron J. Koch et al.Filing Date
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1626**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	DM	3,679,698	07/25/72	Beaman et al.	548	327.5
	DN	4,241,060	12/23/80	Smithen	374	212
	DO	4,816,401	03/28/89	Taupier et al.	435	240.31
	DP	4,977,273	12/1990	Kagiya et al.	548	339
	DQ	5,086,068	02/1992	Raleigh et al.	514	398
	DR	5,030,036	07/09/91	Huff et al.	405	266
	DS	4,371,540	02/01/83	Lee et al.	424	273 R
	DT	4,797,397	01/10/89	Suto et al.	514	212
	DU	4,927,941	05/22/90	Kagiya et al.	548	264.8
	DV	4,977,273	12/90	Kagiya et al.	548	339
	DW	5,086,068	02/92	Raleigh et al.	514	398
	DX	5,304,654	04/19/94	Kagiya et al.	548	327.5
	DY	5,540,908	07/30/96	Koch, et al.	424	934
	DZ	5,843,404	12/01/98	Koch, et al.	424	934
	EA	3,505,349	04/07/70	Beaman, et al.	260	309
	EB	5,721,265	02/24/98	Tracy, et al.	514	396
EXAMINER				DATE CONSIDERED		